

Leelabati Biswas

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Education

Rutgers Robert Wood Johnson Medical School

RWJMS/Princeton University MD/PhD Program

New Brunswick, NJ

August 2015 until completion

Widener University

Chester, PA 19013

Biochemistry Major, Certificate of Advanced Honors

August 2011 to May 2015

Test Scores

MCAT

Composite score: 32

Physical Sciences: 11; Verbal Reasoning: 11; Biological Sciences: 10

March 22, 2014

(First time test taker)

ACT

Composite score: 36 (99th percentile, nat'l and state)

June 2010

(First time test taker)

Special Training

Genomics Variant Analysis Workshop

Office of Advanced Research Computing

Rutgers University

March 2020

Academic Awards

Phi Kappa Phi

National Scholarship Honor Society

Membership by invitation, offered to juniors
in the top 7.5% of their class

March 2014 to May 2015

Beta Beta Beta

National Biological Honor Society

Membership by invitation based on academic performance
in the biological sciences and engagement in undergraduate
research.

March 2014 to May 2015

Omicron Delta Kappa

National Leadership Honor Society

Membership by invitation based on leadership and scholastic
achievements in campus life

March 2014 to May 2015

Widener Full-Tuition Scholarship

August 2011 to May 2015

Professional Experience

Medical Writing Intern

Rutgers Robert Wood Johnson Medical School
Piscataway, New Jersey
Mentor - Dean Paul Weber

January to March 2016

Composed potential health policy curriculum and accompanying program proposal. During composition process, conducted review of Rutgers resources and produced advisory report based on findings. Based on faculty and administrative feedback, generated mock curricula, developed slide decks for faculty use, and ultimately provided a three-part bound proposal for a potential program. Internship also included an interview with a professional medical writer. Enhanced skills in written communication, processing feedback, producing deliverables in short time frames, and handling confidential information.

Undergraduate Research Intern (Senior Thesis in Biochemistry)

Thomas Jefferson University
Department of Cancer Biology;
Kimmel Cancer Research Center
Philadelphia, PA 19107
PI - Dr. Steven McMahon

May 2014 to May 2015; May to August 2013

Project: Identified novel cytoplasmic partners of ubiquitin-specific protease 22 (USP22), a histone deubiquitylase implicated causally in a broad range of cancers, using proteomics-based approaches. Additionally, screened a small-molecule library for inhibitors of USP22 for potential use as a targeted therapeutic agent.

Summer Research Intern

Thomas Jefferson University
Department of Biochemistry and Molecular Biology;
Kimmel Cancer Research Center
Philadelphia, PA 19107
PI - Dr. Mark Fortini

May to August 2012

Project: Utilized deficiency screening to identify Notch signaling modulators in *Drosophila melanogaster*.

Grants and Awards

2014 William R. Bailey Research Award. Grant to support senior thesis project.

Amount: \$1,000

Project Pericles – D4D Semifinalist Award. Grant to support further advancement of the FRAC Act, which would impose disclosure requirements for the use of potentially harmful chemicals for hydrofracking and would remove loopholes exempting companies from EPA regulations. Funds were used to support a visit to Washington, DC to meet with lobbyists and Pennsylvania state representatives.

Amount: \$500 from Project Pericles with \$500 in matching funds from Widener University

Scientific and Professional Presentations/Peer-Reviewed Abstracts

1. Presentation - Widener Student Projects Day, May 2015; Widener University, Chester, PA. "The characterization and exploitation of Ubiquitin-Specific Protease 22's role in human cancer progression, a senior thesis in biochemistry", Leelabati Biswas and Steven B. McMahon
2. Abstract - The American Society for Cell Biology Annual Meeting, December 8, 2014; Philadelphia, PA. "The identification of novel putative partners of USP22, cancer protein and potential chemotherapeutic target", Leelabati Biswas, Timothy Stanek, and Steven B. McMahon
3. Poster - Widener University Summer Research Symposium, September 5, 2014; Widener University, Chester, PA. "The identification of novel putative partners of USP22, cancer protein and potential chemotherapeutic

target”, Leelabati Biswas, Timothy Stanek, and Steven B. McMahon

4. Poster - Widener University Student Projects Day, April 25, 2014; Widener University, Chester, PA. “Identification of Putative Binding Sites of Splicing Protein 9G8 in *Drosophila*”, Leelabati Biswas and Alexis Nagengast
5. Poster - Widener University Summer Undergraduate Research Symposium, September 7, 2012; Widener University, Chester, PA. “Identification of Notch Signaling Modulators in *Drosophila melanogaster*”, Leelabati Biswas and Mark E. Fortini
6. Presentation - Debating for Democracy (D4D)TM National Conference; March 22-23, 2012; Eugene Lang College The New School for Liberal Arts; New York, NY. “A Letter in Support of the Fracturing Responsibility and Awareness of Chemicals (FRAC) Act”; presented by Leelabati Biswas and Katrina Kelley
7. Poster - 15th Annual UMDNJ-SOM Research Day, April 28, 2011, Stratford, NJ. “Evolutionary Conservation of Genes Involved in Developmental Timing: Implications for Human Health and Disease”, Leelabati Biswas and Stephanie Muth.

Service and Civic Engagement

Graduate

Student Doctor, The Promise Clinic

Sept. 2015 to September 2019

The Promise Clinic is a student-run free clinic serving the homeless population of New Brunswick, New Jersey. Medical students work in independent teams of M1-M4 students to provide free healthcare, prescriptions, and specialty care referrals under the guidance of an attending physician. As student doctor, provided free healthcare to Promise Clinic patients. Gained an understanding of the intersection of urban poverty, homelessness, and health outcomes. Collaborated with team and clinic departmental volunteers while honing clinical and professional skills.

WHOA Representative, American Medical Women’s Assn.

Sept. 2015 to May 2019

As WHOA Representative, collaborated with the Center for Great Expectations (Somerset, NJ) to deliver programming on women's health issues to homeless expectant mothers undergoing substance abuse treatment.

Research M1 Coordinator, Homeless and Indigent Population Health Outreach Project

Sept. 2015 to January 2016

Coordinated research endeavors for the RWJMS Homeless and Indigent Population Health Outreach Project in order to evaluate current programming and develop appropriate modifications.

Clinic Project M1 Rep., Homeless and Indigent Population Health Outreach Project

Sept. 2015 to January 2016

Coordinated “Clinic Project,” a University-sponsored program that exposes medical students to medically underserved and vulnerable populations via physician shadowing experiences at the Eric B. Chandler Health Center. Liaised with physicians and the staff coordinator of the RWJMS Homeless and Indigent Population Health Outreach Project to schedule students and ensure that course requirements were met.

Program Supervisor, Re-Member, Pine Ridge, South Dakota

May to June 2015

Worked with Re-Member, a nonprofit operating out of the Pine Ridge Indian Reservation to improve the quality of Oglala Lakota life through relationships, shared resources and volunteer services. As a program supervisor in residence, provided oversight for weekly volunteers and work sites.

Outreach Volunteer, Re-Member, Pine Ridge Indian Reservation, South Dakota

May 2014 and May 2016

Volunteered on a Native American reservation of the Oglala Lakota, gaining an understanding of the complex social and political issues that contribute to the landscape of modern medicine; connected with native residents, broadening awareness of the experiences of culturally diverse groups of individuals.

Undergraduate

Peer Health Educator

September 2012 to May 2015

In collaboration with Widener University Student Health Services, developed and presented health education seminars on relevant topics to Widener University students as well as helped organized two annual sexual health awareness weeks.

Peer Health Education Program President

January 2014 to January 2015

Elected president. Directed student-run organization in promoting health and sexual assault issues to the Widener campus community, leading a peer health education group, and organizing two annual health awareness weeks.

Medical Shadow, Crozer-Chester Medical Center

March to May 2014

Shadowed Crozer-Chester network physicians in areas of primary care, including family medicine, internal medicine, and pediatrics for approximately 8 hours per week to gain exposure to various aspects of clinical practice.

Leadership Development Program Mentor

September 2012 to May 2013

In collaboration with Widener University and Delaware County College Access Center formulated and implemented a leadership seminar program for economically disadvantaged high school students.

Honors Program in General Education (HPGE) President

January to December 2013

Elected president. Lead the organization, planning and execution of programmatic issues related to student life and the honors program in general education at Widener University.

HPGE Student Government Representative

September to December 2012

Elected representative. Participated in organization, planning and execution of programmatic issues related to student life and the honors program in general education at Widener University.

Hospital Volunteer, Crozer-Chester Medical Center

September 2011 to May 2012

Assisted in the Acute Care of Elders unit to help make patients comfortable during their hospital visit while gaining valuable exposure to the daily ebb and flow of the in patient hospital routine.